

L35 ANSWER 135 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1996:388484 HCAPLUS Full-text  
 DOCUMENT NUMBER: 125:56387  
 TITLE: Mycelium sterila MS 2929, producing cyclosporins by  
 submerged fermentation  
 INVENTOR(S): Satke, Josef; Matha, Vladimir; Jegorov, Alexandr;  
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 PATENT ASSIGNEE(S): Galena, Czech Rep.  
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 PATENT INFORMATION:

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CZ 280553                      B6      19960214      CZ 1994-2089                      19940830  
 PRIORITY APPLN. INFO.:                      CZ 1994-2089                      19940830

AB    M. sterila strain MS 2929, which produces cyclosporins by submerged fermn, is claimed. Thus, a suspension of the culture containing 104-105 particles/mL is inoculated into a sterilized inoculation medium and cultivated at 24° for 96 h in a rotating shaker. Afterwards, the inoculum is inoculated into a sterilized pH 6.0 production medium comprising sucrose 60, casein enzyme hydrolyzate 40, NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> 4, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 4, KCl 1, NaCl 1, CaCl<sub>2</sub> 0.2, and MgSO<sub>4</sub>·7H<sub>2</sub>O 0.2 g/L and cultivated at 24° for 10 days in a rotating shaker. Subsequently, the cultivation medium is sedimented in a centrifuge, the supernatant is removed, and the sediment is extracted in MeOH for 10 min in an ultrasonic bath. The process yields 2.492 mg cyclosporins/mL, comprising cyclosporin A 62.0%, cyclosporin B 17.3%, and cyclosporin C 20.1%.

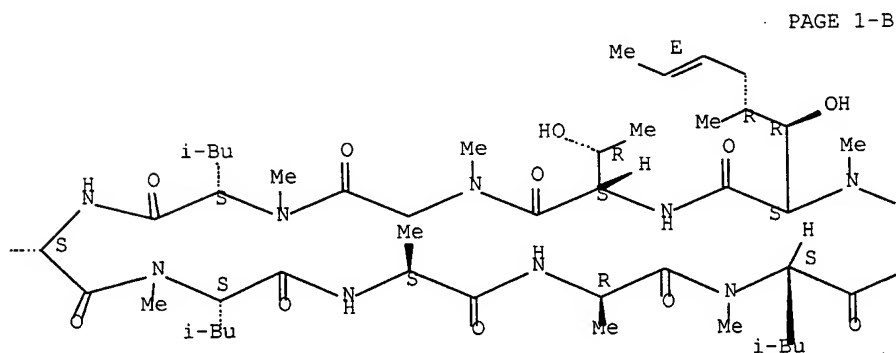
IT    59787-61-0P, Cyclosporin C 63775-95-1P, Cyclosporin B  
 RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (Mycelium sterila strain MS 2929, producing cyclosporins by submerged fermentation)

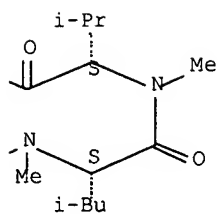
RN    59787-61-0    HCAPLUS  
 CN    Cyclosporin C (9CI)    (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry as shown.

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i-Pr





RN 63775-95-1 HCAPLUS  
 CN Cyclosporin B (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry as shown.

i-Pr

